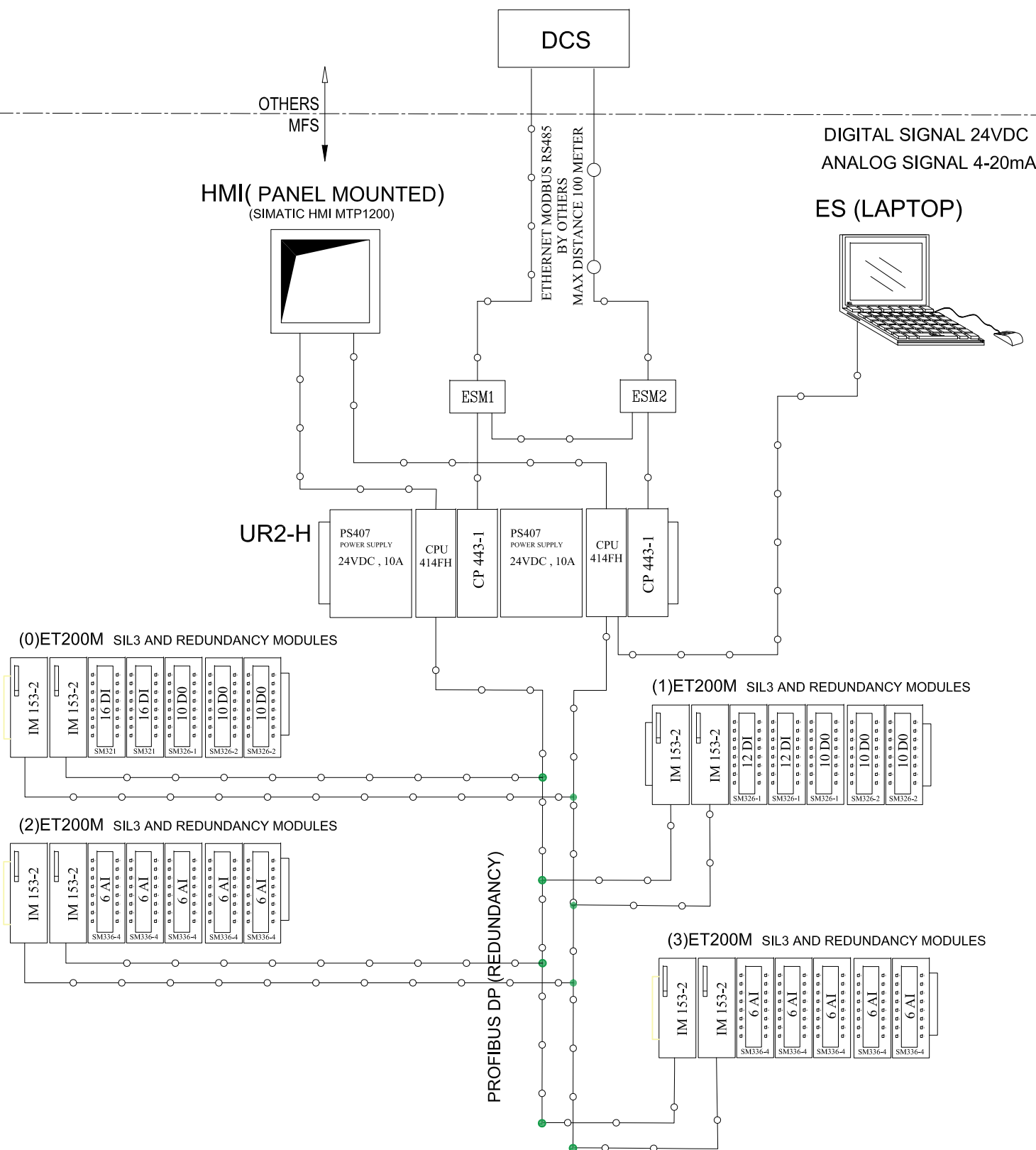


ESD/BMS & MARSHALING SYSTEM



I/O Quantity for ESD/BMS									
Signal Type	AIS	AIR	DIS	AOS	AOR	DIS	DIR	DOS	DOR
Actual IO Qty.		19					15		19
Total Actual IO	53								
20% Spare		4					3		4
Total 20% Spare	11								
Total	64								

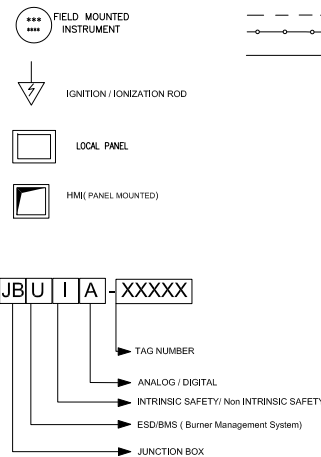
SUM			
Signal Type	Total	Card * Channel	Model
DIR	18	2*16 Channel	SM321
DOR	23	3*10 Channel	SM326-2
AIR	25	5*6 Channel	SM336-4

BILL OF MATERIAL				
NO	NAME	QTY	MANUFACTORY	DESCRIPTION
1	CPU 414FH	2	SIEMENS	FAIL SAFE & REDUNDANCY CPU
2	PS 407	2	SIEMENS	POWER SUPPLY INPUT:110~240VAC,OUTPUT:24VDC, 10A
3	CP 443-1	2	SIEMENS	COMMUNICATION PROCESSOR (INDUSTRIAL ETHERNET)
4	IM 153-2	4	SIEMENS	INTERFACE MODULE FOR ET200M
5	DI 321	4	SIEMENS	FAIL SAFE DIGITAL INPUT MODULE 12 CHANNEL
7	DO 326-2	6	SIEMENS	FAIL SAFE DIGITAL OUTPUT MODULE 10 CHANNEL
9	AI 336-4	10	SIEMENS	FAIL SAFE ANALOG INPUT MODULE 6 CHANNEL
11	UR2-H	1	SIEMENS	RACK CENTRALIZED AND DISTRIBUTED WITH 2 X 9 SLOTS
12	POWER SUPPLY	2	SIEMENS	INPUT:110~240VAC,OUTPUT:24VDC, 10A
14	ESM	2	SIEMENS	SCALANCE XB005 UNMANAGED INDUSTRIAL ETHERNET SWITCH,24VDC
15	HMI	1	SIEMENS	SIMATIC HMI MTP1200, TOUCH OPERATION
16	LAPTOP	1	***	Model:***** ,Core i7-11800H,16GB

[illegible]

1. UCP LOCATION IS IN THE AUXILIARY (TECHNICAL ROOM) ROOM.
2. ENGINEERING STATION LOCATION IS IN THE CONTROL ROOM
3. HMI LOCATION IS ON THE UCP PANEL.
4. INGRESS PROTECTION IS IP54.

LEGEND



REFERENCE DRAWING	DRG. No.

KEY PLAN

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BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION									
DATE		SCALE		DRAWING BY		CHECKED BY		PROJECT ENG.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED									
APPROVED FOR CONSTRUCTION				BY:		DATE:			
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.		SHEET		REVISION	

